

ST-200

4K UHD ALL-IN-ONE USB Camera



PRODUCT OVERVIEW

The **Resoundify ST-200** is a USB video bar integrated device designed for small to medium-sized enterprise meeting spaces. It features a 4K ultra-high-definition camera, a digital microphone, and a full-range speaker in a three-in-one design that minimizes cabling. The video resolution reaches up to 20 megapixels, allowing remote participants to see a clear panoramic view and close-ups of individuals in the meeting room. With multiple AI video processing algorithms, it enables efficient and intelligent remote communication and collaboration without the need for manual intervention.

KEY FEATURES

- **Ultra-High-Definition Image Quality** : Equipped with a high-quality UHD CMOS sensor of 1/1.8 inches and 20 million effective pixels, it can output 4K (3840x2160) ultrahigh-definition resolution images and is backward compatible with resolutions such as 1080P and 720P.
- **120° Ultra-Wide Field of View** : The lens supports a 120° wide field of view (105° horizontal field of view), with 5x digital zoom, clearly capturing every corner of the meeting room. It features a $\pm 15^\circ$ mechanical pan-tilt.
- **Group Framing** : Equipped with facial, human shape recognition, and intelligent framing algorithms, it can identify the number of participants and their positional changes, automatically moving the lens and adjusting the focus to achieve intelligent composition and optimal framing.
- **Speaker Tracking** : The built-in sound source localization algorithm automatically directs the camera towards the speaker when someone is talking, presenting a close-up in the center of the screen, delivering a "face-to-face" communication experience.
- **Smart Gallery** : Featuring AI algorithms for heads, faces, and human shapes, it can automatically switch to multi-split screen layouts based on the number of participants, extracting and evenly arranging close-ups of each participant. This allows remote attendees to clearly see everyone, making the communication in meetings more vivid and natural.
- **BYOD & BYOM Meetings** : Equipped with a built-in WiFi module, it supports participants using their familiar personal devices (such as laptops, smartphones, or tablets) to join meetings and access the integrated audio-video functions at any time. It also supports wireless screen mirroring from computers to the device, allowing for local or remote meeting screen sharing without the need for cables.
- **Clear Audio Capture up to 6m** : The built-in beamforming microphone automatically locates the speaker's sound source and adjusts to precisely capture audio, ensuring consistent and balanced audio pickup. With audio 3A processing algorithms, the clear audio pickup range can reach up to 6 meters.
- **PoE Cascaded Audio Capture (Optional)** : Equipped with a POE-powered network port, it supports cascading three M702 array microphones, which can uniformly cover larger meeting room scenarios, providing each participant with equal and consistent audio pickup effects.
- **Full-Range Stereo Sound** : Integrates a full-range high-fidelity speaker, professionally tuned to effectively reduce sound interference, outputting rich bass, full midrange, and clear treble, with natural and authentic human voices

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

RESOUNDIFY

TECHNICAL SPECIFICATIONS

Camera Specifications

Signal System	4KP30, 1080P30, 720P30 etc.
Sensor	1/1.8 inches, CMOS, Effective Pixels: 20 Megapixels
Lens	114° (DFOV), 105° (HFOV), 5x Digital zoom, Horizontal/pitch $\pm 15^\circ$
PTZ	Mechanical PTZ (MPTZ) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	$\geq 55\text{dB}$
Backlight Compensation	Support

Audio Specifications

Full-frequency Speaker	96 dB SPL at 0.5 m
Microphone Array	Beamforming microphone with 6m pickup distance
Expansion MIC	Support

Interface Specifications

USB 3.0	1 × USB3.0, Type-C
HDMI	1 × HDMI
USB 2.0	1 × USB2.0, Type-A
Network Interface1	1 × RJ45: 10M/100M adaptive Ethernet (Optional)
Network Interface2	1 × RJ45: Connected to expansion mic, support POE
Power	1 × Power connector
WiFi	Wifi 5
Remote Controller	Support

Others Specifications

Installation Method	Support desktop placement, wall mounting and TV mounting etc
Supplied Cables USB Cable	USB Cable
Safety Protection Anti-theft lock	Anti-theft lock

TECHNICAL SPECIFICATIONS

USB Specifications	
Type of Connection	USB 3.0, downward compatible with USB 2.0
Color System / Compression	YUY2 / MJPEG
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USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (ePTZ)
General Specifications	
Power Supply	DC 12V, 5A(Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	600mm (W) × 135mm (D) × 117mm (H) (with bracket)
Net Weight	2.5kg